SCROLL SAWING MACHINE.-David R. Williams, Sr., Paris, Ky.-This invention relates to an improved mode of combining guide rods and a bearing plate with a saw cross head, so that the cross head will not have the friction of the bearing plate, except when pressed against it by the work; and it also consists in providing a clamp, which holds the saw, with an adjustable pin that will afford a rest thereto when the width is lessened by wear or sharp

CORN PLANTER.-George G. J. Millar, Lockbourne, Ohio. - This invention has for its object to furnish an improved corn planter which maybe adjusted to plant the rows of hills at any desired distance apart, and to drop any de sired number of kernels to a hill. The dropping cylinders are so placed a to receive the seed from the hoppers and discharge it upon the ground, and are attached to the outer ends of a rod or shaft which is made in parts sliding upon each other, so that its length may be extended or contracted as the machine is adjusted to plant the rows of hills wider apart or closer to gether. By means of suitable appliances the driver can operate the dropping cylinders and drop the seed with his foot or by hand. The driver's sea is adjustably supported from the platform, so that it may be moved back or torward, to enable the driver to balance the machine with his weight, thus relieving the horses' necks. Other mechanism allows the planter to be raised from the ground for convenience in turning or passing from place to The machine may be adjusted to plant the seeds at any desired depth in the ground. The covering plates are secured by a single belt, se that they may be set back or forward, according to the amount of soil desired to be drawn over the seed. Cutters are provided, designed to cut off anystalks or other rubbish that may be upon the ground, and which might affect the proper operation of the plows.

FENCE.-William T. Willie, Independence, Texas.-It is economically important to the farmer that the rails composing the fence he removes, and for which he substitutes another, should be fully utilized on the spot. Hence the inventor purposes setting the posts diagonally across the fence alternately, in opposite directions, which brings the lower or base portions of every successive pair of posts much nearer each other than they would otherwise be. This renders it practicable to utilize the short rails for the  $bottom\ and\ longer\ rails\ for the\ top\ portion\ of\ the\ panel.$ 

WASH BOILER.—Wilson C. Berger, Bethel, Pa.—This invention consists of a secondary or false bottom, adapted to fit inside that of the sheet metal boilersnugly, with the legs to hold it about three inches above the perma nent bottom, which said false bottom has three parallel rows of hole through it vertically, said rows being in the direction of its long axis; and over the middle row a long narrow space is inclosed by two perforated plates, rising as high as the top of the boiler, and joined together at the top and ends, so that water heated in the space below the farse bottom will be torced up in the said inclosed space, and out through the perforated sides among the clothes, and down to the heating space again, through the outside row of holes in the false bottom, so as to act upon the clothes very effi-

KNIFE SHARPENER.-Jonathan Quipp, Buffalo, N. Y.-This invention furnishes convenient means for sharpening knives; and it consists simply in an emery roller, supported on a suitable frame, with a journal or pivot at each end. Stands or ears are attached to the bed plate, through which the journals of the roller pass. The roller is made of wood or of any suitable material, and is covered with emery or equivalent material, the same as emery wheels; or it may be made of a composition of emery or sand and other material. The sharpener may be placed upon the dining table, and is intended to take the place of the ordinary steel sharpener.

BEE HIVE .- Amos R. Moulton, Fall Branch, Tenn. - This invention relates to an improvement in bee hives which shall be of such a construction as to enable every portion of the same to be opened or unfolded with the greatest facility for the purpose of inspection, removal of honey and refuse mat-

CAR COUPLING. - James Broadley, of Bradford, Eng. - The mechanical arrangements comprising this invention consist of a sliding shaft or bar working in suitable bearings secured to the ends of the carriage or vehicle at a position somewhat above the usual coupling chain arrangement, which can be left attached to the carriage or vehicle, and can be made use of when two carriages are to be coupled, one of which is not provided with the coupling arrangement. This sliding shaft or bar has a bolt connected thereto, which bolt is made to work in an orifice provided for itin the sides of a socket or guides secured to the carriage or vehicle. A slotted link is also secured to the carriage of vehicle, to which it is attached by a joint, so that it may be lifted up out of the way and secured by a catch on the sliding shaft when a carriage or vehicle unprovided with these arrangements is to coupled in the ordinary way. The coupling slotted link is, when two carriages or vehicles are brought together for coupling, down in its ordinary position, and is inserted in the sockets or guides above mentioned by simply bringing the two carriages or vehicles together, and then the sliding shaft can be actuated so as to couple the carriages by handling its end from the side of the carriage without going between the carriages, and the uncoupling can be effected by a similar though reverse action. If thought desirable, lever arrangements might, it is obvious, be adopted, to enable the guard or attendant to work these arrangements without getting down from his place.

SAFETY SWITCH FASTENING. -William B. Sloan and Edward H. Sweetser Hamburg, Iowa.—The invention consists in a railroad switch fastening, constructed with spring jaws which clamp the annular recess of a bolt passed therethrough and require to be separated by a key before the bolt can be

FOLDING PAIL.—Ransom Sabin, Benona, Mich.—This invention consists in a combined water pail or bucket and feed bag, formed of a waterproof flexible cloth or rubber cylindrical body, and a sheet metal bottom. It is capable of use in drawing water from a well, may be set over a flame, can be folded flat so as to be placed under carriage cushions or otherwise conveniently packed away, and is withal very light as well as strong, durable and

LATHES FOR TURNING BENT STICKS. -Thomas Ott. of South Green Town ship, Pa., assignor to himself and Nathan Houck, of same place.-This in vention has for its object to produce a simple apparatus for turning the hooks at the ends of umbrella sticks and other bent sticks; and consists in an annular chuck carrying a cutter at its narrow inner edge, and hoilowed at the faces to be asthin as possible along the inner edge. An annular chuck or block made of wood or metal is slotted out to receive a knife whose cut ting edge projects beyond the inner periphery of the chuck. The knife is preferably slotted, to be adjustable as its edge wears. The faces of the an nular chuck are hollowed to make it as thin as possible in the middle. Beingthin in the middle, the chuck permits the stick to be held at such vary ing angles as to allow its entire bent portion to be turned to uniform thick

LAMP HEATER FOR NURSERY FLASK. - Seymour Hughes, of Jersey city N. J.—This invention relates to a new apparatus for heating the contents of nursery flasks and similar vessels; and consists in the use of a portable water heater containing a lamp, flues, and a platform for the support of the flask. The latter can be placed within the heated water to have its contents gradually and gently warmed without exposing the flask to injury or The invention also consists in providing the flue of the water heater with a transparent section so that it may also serve as a lamp. This is a very neat and useful invention, one of the small kind adapted for general use which usually produce to the patentee quick sales at good

HARROW.-Horatio N. Swift, Matteawan, N. Y,-Heretofore the connection between the sections of the well known flexible harrow has been made by means of round rings through the three eves, which approach each other. but it has been found that the sections, when connected by a ring in this manner, were liable to catch and cramp in turning the harrow, and cause much trouble in releasing and straightening out the same. To remedy this difficulty, instead of the round ring, a triangular connecting link is employed composed of a single piece of metal, but with a separate ring for each eye By this means the eyes of the sections are separated, so that in turning or twisting the harrow will not cramp, but assume its natural position without aid from the driver. These triangular links are used only for the interior connections, the outer angles of the sections being connected by common links and chains.

tion consists in providing a roller frame with four pendent bearings, each vertically slotted, and all the corresponding parts of said slots being in the same horizontal plane, so that the journals of each end of a roll car freely play up and down, and so that the weight of frame and driver will when on a level, be equally distributed over the several journals, but will be concentrated upon any clod over which either end of either roll may

#### [OFFICIAL.]

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#### DESIGNS PATENTED.

-Campaign Shirt.-A. Blumann, New York city. 6,090. —OTTOMAN. —C. J. Conradt, Baltimore, Md. 6,091 and 6,092.—CARPETS.—A. M. King, Kidderminster, England. 6,093.—SHAWL.—M. Landenberger, Philadelphia, Pa. 6,094.—CARPET.—J. Powell, Kidderminster, England. 6,095.-MUFF COVERING, ETC.-R. M. Seldis, New York city.

#### TRADE MARKS REGISTERED.

969.—Spool Thread.—Clark Thread Company, Newark, N. J. 970.—Pomatum.—P. Davis & Son, Montreal, Canada. 971.—Drugs, etc.—J. Faber, New York city. 972.—Molasses.—A. Thomson & Company, New Orleans, La. 973.—Strup.—A. Thomson & Company, New Orleans, La. 974.—Molasses.—A. Thomson & Company, New Orleans, La. 975 .- FANCY GOODS .- Weil & Woodleaf, San Francisco, Cal.

#### SCHEDULE OF PATRIT FRES:

On each Trade-Mark	\$25
On filing each application for a Patent, (seventeen years) On issuing each original Patent	\$15
On issuing each original Patent	20
On appeal to Examiners-in-Chief	<b>3</b> 61U
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On an application for Design (fourteen Vears)	\$30

For Copy of Claim of any Patent issued within 30 years...... \$1 A sketch from the model or drawing, relating to such portion of a machine 

upward, but usually at the price above named.

The full Specification of any patent issuedsince Nov. 20, 1866 at which time at a reasonable cost, the price depending upon the amount of labor involved and the number of views.

Full information as to price of drawings in each case, may be had be addressing

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# Patent Solicitors, 37 Park Row, New York.

#### APPLICATIONS FOR EXTENSIONS.

Applications have been duly flied, and are now pending, for the extension of the following Letters Patent. Hearings upon the respective applications are appointed for the days hereinafter mentioned: 22,185.—PRESERVATION OF FLESH FOR FOOD.—N.B.Marsh. Nov. 13, 1872, 22,197.—Hoop Skirt.—S. Peaberdy. Nov. 13, 1872.

### 22,674.—TRUSS SPRING.—J. W. Riggs. Jan. 2, 1873.

EXTENSIONS GRANTED. 21,233.—CARPET SWEEPER.—H. H. Herrick.

21.306. - HILLSIDE PLOW. - H. S. Akins.

21,311. - SECURING PLANE IRONS TO STOCKS.-L. Bailey. 1043 21,324.—SUN SHADE.—A. G. Davis. 927 21,329.—SENDING AND RECEIVING TELEGRAPH MESSAGES.—M. G. Farmer.

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